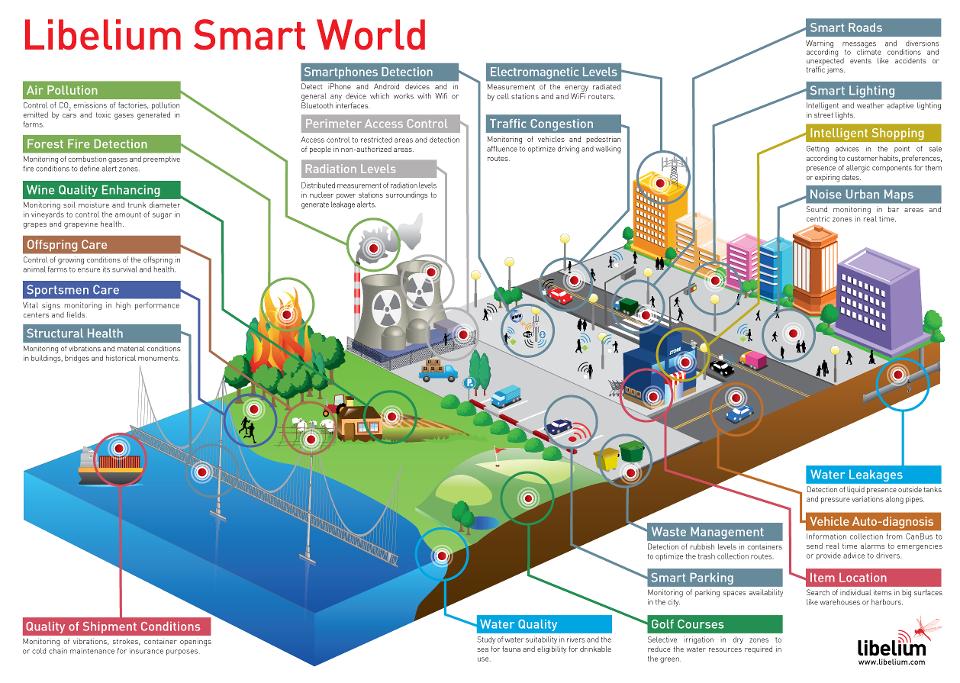
1. Introduction and definitions
   1. Simplest explanation - Any device connected to the Internet.
   2. Reality
      1. Broadband Internet is widely available to most people in the world.
      2. More and more devices are being produced with Wi-fi capability and/or sensors that allow these devices to connect to the Internet.
      3. Internet access charges and the cost of devices is continually decreasing making these more affordable to more people.
   3. IoT is the connection of devices to the Internet and to each other.
   4. The IoT also includes connecting the people behind the devices as well.
   5. By 2020, estimated 20 billion devices connected to each other.
2. Why connect devices?
   1. Potential examples:
      1. The Navigation in your car connects to your calendar and knows you have a meeting. Your car uses the Internet to devise the best route. Your navigation system communicates with your phone and your phone sends a text to let the meeting participants know what time you will arrive.
      2. The copier in the office notes that it is low on toner and/or paper and orders more.
      3. The alarm clock in your bedroom not only wakes you but turns on the coffee maker and the TV in the kitchen.
   2. Illustration of a Smart City
   3. 
3. Potential Pitfalls
   1. Security
      1. Identity protection - can providing access to one device allow others to ‘hack’ your identity.
      2. Manufacturers who install these sensors and chips could be hacked and all their devices would be vulnerable
   2. Data Storage
      1. If each device stores each occurrence (turns on, turns off) - where do we house all that data?
      2. How do we keep all of that data secure?
      3. We need to devise a method to store, track, analyze and make sense of all the data
   3. Terrorist Attacks
      1. Hacking the transportation systems of the world is a real threat.
      2. Radicals hack into government security systems through coffee makers and copiers.
4. The Future
   1. This has been an issue since the Jetsons cartoon in the 1960s
   2. Standards need to be developed for devices that will account and provide for security.
   3. Newer devices use encryption to protect your data, but its the older devices that pose the biggest threat. How do we replace all of the outdated technology?